AQS and the Exchange Network:
Status and Plans

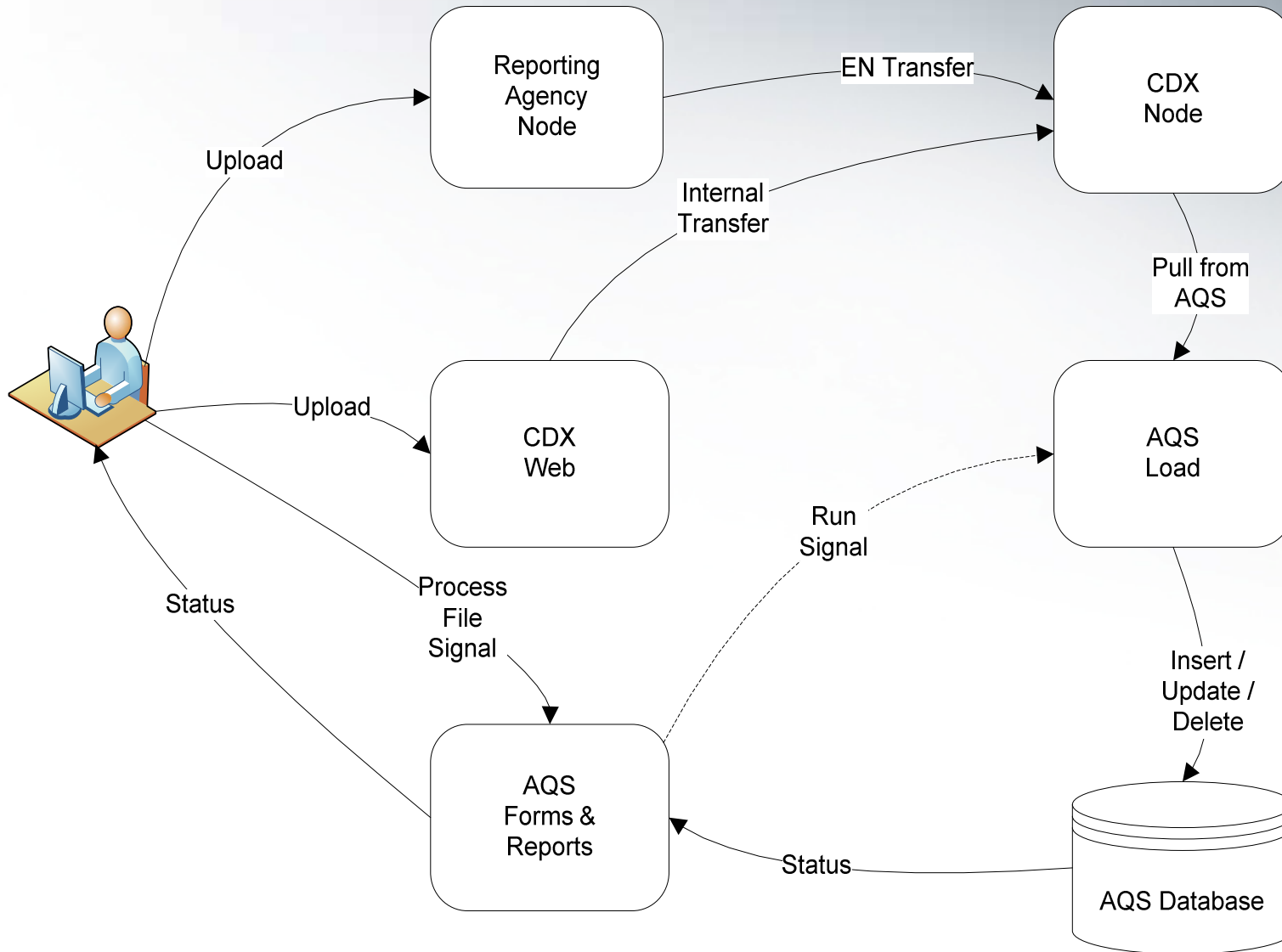# Present AQS Flow

- User can submit with either CDX Web or Reporting Agency EN Node.

- User can submit either XML or Delimited Files.

- After Upload to CDX, user logs into AQS and manually by loads the data.

- Status of data is emailed to user and errors are available from AQS reports.
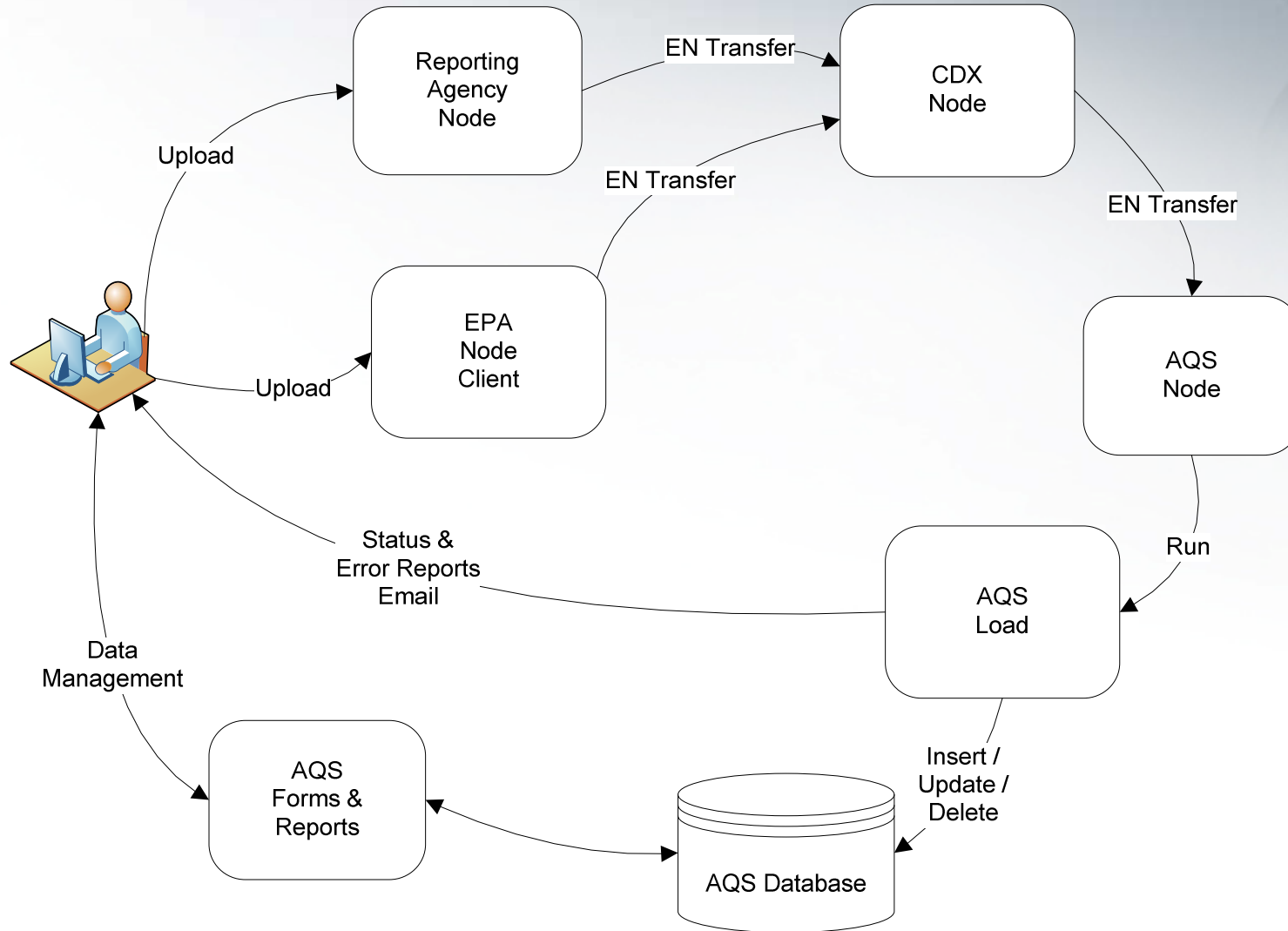
Present AQS Flow

Planned AQS Flow

- User can submit with either Reporting Agency EN Node or EPA Node Client.

- User can submit only XML.

- After Upload to Exchange Network, data is loaded into AQS automatically.

- Status and errors emailed to user, available for EN GetStatus & Download, and AQS reports.

Planned AQS Flow

Status of Planned AQS Flow

- AQS/Exchange Network Integrated Project Team started 10/21/2010.

- Concept of Operations is under development.

- Issues affecting development:
  - The automation of the flow needs to be funded by OAQPS.
  - Implementing the new NAAQS regulation changes to AQS is a higher priority.

- If funding is obtained, planned flow could be implemented by July 2011.

AIRNOW & AQS Data Mart

- AIRNOW data transferring to Data Mart today.

- AIRNOW accepting input from Exchange Network (in XML) from two states:
  - Issue: XML parsing time barely real-time.

- AQS Data Mart
  - Data accessible now via several user interfaces (e.g. Air Explorer), SOAP web services.
  - RESTful web services under development.

CyAIR and AQS

- ## What is it?
  - Metadata Repository: Provides information about what data is available and access mechanisms.

- ## Planned Air Quality Data Access:
  - Via web services to Air Quality Data Mart.

- ## For more information, contact Terry Keating at keating.terry@epa.gov.